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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/782,107	02/13/2001	Mihal Lazaridis	555255012189	3129

54120 7590 05/01/2009

RESEARCH IN MOTION  
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EXAMINER
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STRANGE, AARON N

ART UNIT	PAPER NUMBER
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2448

NOTIFICATION DATE	DELIVERY MODE
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05/01/2009

ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

portfolioprossecution@rim.com

<b>Office Action Summary</b>	<b>Application No.</b> 09/782,107	<b>Applicant(s)</b> LAZARIDIS ET AL.	
	<b>Examiner</b> AARON STRANGE	<b>Art Unit</b> 2448	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 12 February 2009.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 90-95,97-102 and 105-108 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 90-95,97-102 and 105-108 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

### **DETAILED ACTION**

1. In the interest of expedited prosecution, the Examiner would like to recommend conducting an interview prior to filing a response to the present Office action. The Examiner feels that an interview would help foster a mutual understanding of the respective positions of Applicant and the Examiner, and assist in the identification of allowable subject matter and/or issues for appeal. If Applicant agrees that an interview would be beneficial, he/she is encouraged to contact the Examiner to schedule one.

### ***Terminal Disclaimer***

2. The terminal disclaimer filed 2/18/2009 has been DISAPPROVED. The filing date of Application No. 09/782,412 has been improperly identified and 2/13/2004. The correct filing date is 2/13/2001. Additionally, the attorney signing the terminal disclaimer is not currently of record. Applicant should file a new Power of Attorney clarifying who is/are the attorney(s) of record.

### ***Double Patenting***

3. The terminal disclaimer filed 2/18/2009 has been DISAPPROVED. Accordingly, the double patenting rejection is maintained. The claims have been additionally rejected over claims 71, 84 and 95 of copending Application No. 10/671,162, as set forth below.

4. Claims 90, 99 and 105 (as currently amended) are provisionally rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 65, 97 and 108 of copending Application No. 09/782,412. This is a provisional

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obviousness-type double patenting rejection. Although the conflicting claims are not identical, they are not patentably distinct from each other because both applications contain the principal feature of common addressing using an outer envelope.

Claims 90, 99 and 105 of the present application additionally include encryption of the mail items prior to delivery. Encryption is also old and well known in the art. Claims 65, 97 and 108 of copending Application No. 09/782,412 additionally include piecemeal delivery of messages, which is known in the art and taught by Eggleston (e.g., col. 3, ll. 23-34; col. 10, l. 10 to col. 11, l. 4).

Since both claim sets claim substantially the same invention, and the differences between them are old and well known, the claims are not patentably distinct and are rejected on the ground of nonstatutory obviousness-type double patenting.

5. Claims 90, 99 and 105 (as currently amended) are provisionally rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 71, 84 and 95 of copending Application No. 10/671,162. This is a provisional obviousness-type double patenting rejection. Although the conflicting claims are not identical, they are not patentably distinct from each other because both applications claim the principal features of common addressing using an outer envelope.

Claims 90, 99 and 105 of the present application additionally include encryption of the mail items prior to delivery. Encryption is also old and well known in the art (see rejection of claim 90, below).

Since both claim sets claim substantially the same invention, and the differences between them are old and well known, the claims are not patentably distinct and are provisionally rejected on the ground of nonstatutory obviousness-type double patenting.

### ***Response to Arguments***

6. With regard to claim 90, and Applicant's assertion that Tello "does not teach or suggest a first address of the user that is associated with the messaging host system" (Remarks 15-17), the Examiner respectfully disagrees. As an initial matter, it is noted that the language "associated with" is very broad and requires a minimal relationship between the host system and the first address to be anticipated. The well-known name address taught by Tello is associated with the ISP's mail server, which is analogous to the communication server in AirMobile, which also processes electronic messages for the user. When considered in combination, AirMobile and Tello teach a first and second address associated with the user, wherein the first address is associated with a host device such as an email server and the second address is associated with a mobile device.

7. Applicant's remaining arguments with respect to claims 90-95, 97-102 and 105-108 have been considered but are moot in view of the new ground(s) of rejection.

***Claim Rejections - 35 USC § 103***

8. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

9. Claims 90-95, 97-102 and 105-108 are rejected under 35 U.S.C. 103(a) as being unpatentable over AirMobile Server (AirMobile Wireless Software for Lotus cc:Mail, Communication Server Guide, Motorola, 1995), in view of AirMobile Client (AirMobile Wireless Software for Lotus cc:Mail, Communication Client Guide, Motorola, 1995), and Carthy et al. (MAPI Developers Forum post "MAPI Notification" April 12, 1996) further in view of Eggleston et al. (US 5,764,899) further in view of Murota (US 6,289,105) further in view of Tello et al. (US 6,381,634) further in view of Hall et al. (US 5,826,023).

Note, the AirMobile Server and AirMobile Client guide present different aspects of the same system, and are therefore are treated as a single system for the purposes of this rejection. They are hereinafter referred to with specific citations to the Server guide as "AirMobileS" and the Client guide as "AirMobile."

10. With regard to claim 90, AirMobile disclosed a method of redirecting information between a messaging host system ("communication server") and a wireless mobile data device that is associated with a computer (i.e. the mobile device in AirMobile is in and of itself a computer) connected over a network to the messaging host system (p. 9,

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“Communication Server,” p. 10, “User Profile Database,” pp. 15-16, wherein mail is received and stored at the communication server, and the mail account is associated with a mobile device according the device ID), the method comprising:

- receiving a notification at a redirector component indicating receipt of a mail item for a user by the messaging host system, wherein the user data item is addressed to a first mail address of the user that is associated with the messaging host system and is viewable via the computer (e.g. Airmobile pushes received messages to the mobile clients and this push algorithm is invoked by some internal notification; see inter alia pgs 30 and 31 “enables messages to be immediately downloaded when they are received”];
- sending the mail item from the redirector component to the wireless mobile data device over a wireless network (the actual push or download of the message to the mobile device pg 31, ¶s 1-3).
- receiving a reply mail item from the wireless mobile data device at the redirector component (e.g. sending reply to the server pg 38);
- interfacing the reply mail item to the messaging host system by the redirector component such that the reply mail item is sent to the sender (e.g. forwarding the reply to the original sender, pg 38).

While AirMobile discloses substantial portions of the claimed invention (discussed above), it fails to specifically recite 1) that the *notification* is *automatically generated* in response to receipt of the user data item, 2) transmitting a *copy* of the received

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electronic message, 3) using encryption for sending messages between the redirector component and the mobile data device, 4) that the mail item is redirected to a second address associated with the user and the reply message's originating address is configured to be the first address or 5) that the encrypted mail item is packaged in an outer envelope for transmission via the wireless network.

11. With regard to point (1), AirMobile failed to specifically recite that the *notification* is *automatically generated* in response to receipt of the user data item. AirMobile disclosed a server side push technology (pg 31 ¶ 1-3), where the server must internally poll for the arrival on new messages in a user's mailbox. Nonetheless Examiner maintains that such an automatic notification must occur in the system in order for the actual forwarding software to be invoked within the computer system. Furthermore even if one were to argue persuasively that such a notification is not inherent then Examiner maintains that adding a new data item automatic notification feature would have been an obvious modification to AirMobile at the time of Applicant's invention, in view of at least Carthy. In a similar art, Carthy disclosed an e-mail system where the notification of new messages in a user's mailbox is sent automatically, as opposed to polling, using an extended MAPI IMAPAdviseSink notification (See the Carthy post describing "full asynchronous" notification in extended MAPI). Carthy further disclosed that in order to receive these automatic notifications the system must register with a software interface associated with the messaging server (i.e. registering with the ImsgStore to receive adviseSinks). Cathy also disclosed that automatic notification is



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preferable to polling (see the Cohen post below: "Today I do a polling on each mailbox : I open a connection through MAPI functions, I consult, I notify if new mail, and I close the connection. Then I go to the next mailbox and do the same actions. It's not great :(.

So I'd like to know whether –there- exists another way to notify with MAPI, especially a "fully asynchronous" notification"). Automatic notification is preferable to polling for detecting the arrival of new messages since the detection process is more efficient. For example the system no longer has the delay associated with polling each user's mailbox and is instead alerted immediately of the arrival of new messages. Additionally less system resources are consumed since the system no longer has to poll the mailbox of each user in order to detect new messages.

Thus, it would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the automatic notification functionally disclosed by Carthy within AirMobile's system, since Carthy disclosed automatic notification is preferable to polling and further since the use of automatic notification is more efficient. Again automatic notification is more efficient since the system is alerted immediately of the arrival of new messages and less system resources are consumed.

12. With regard to point (2), AirMobile discloses forwarding messages received at the messaging server to the wireless device. However, AirMobile does not *explicitly* state that the messages forwarded to the wireless mail system are a *copy*. Nonetheless, most e-mail systems that forward messages actually replicate the messages before forwarding, so that a copy of the message is retained in the initial destination mailbox.

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Such replication is disclosed by Eggleston. In a similar art, Eggleston teaches a system for forwarding messages from a LAN-based host through a wireless host to a mobile client device, wherein the LAN-based host stores messages, thereby maintaining a replica of the messages, before forwarding them to the client (col. 4, lines 44-51; col. 12, lines 32-39, 59-62, wherein the messages are copied and maintained at a host system, and are also sent to target units).

Thus, given the teaching of Eggleston, a person having ordinary skill in the art would have readily recognized the desirability and advantages of replicating the messages at the messaging server taught by AirMobile, to preserve received messages in case the client memory fails or the message is lost in transmission. Therefore, it would have been obvious to include the mail replication feature taught by Eggleston in the mail forwarding system taught by AirMobile and Carthy.

13. With regard to point (3), AirMobileS disclosed sending messages from the cc:Mail server to the mobile device in a secure fashion (AirMobileS, p. 25, bullet 1 “secure and authenticated virtual wireless communication channel between your laptop and your LAN-based cc:Mail server”) however, AirMobile does not disclose using encryption for sending messages in a secure fashion. Nonetheless the use of encryption to send messages securely was widely known in the art at the time of Applicant’s invention, as evidenced by at least Murota. In a similar email system, Murota disclosed encrypting e-mail messages between a sender and a receiver, wherein a message is encrypted at the sending end, is then transmitted over the

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network to the receiving end, and is finally decrypted at the receiving computer (col. 1, lines 23-48). Murota further disclosed that such an encryption scheme is advantageous because it prevents leaks of secret information to outside, non-intended parties (Murota, col. 1, lines 49-53).

Thus, given the teaching of Murota, it would have been obvious to one of ordinary skill in the art at the time of Applicant's invention include an encryption function, as taught by Murota, in conjunction with the redirector component of AirMobile such that messages sent between the AirMobile server and mobile devices are encrypted, in order to prevent outside parties from having access to secret or classified messages.

14. With regard to point (4), Tello discloses a similar system for forwarding e-mail messages from a host system associated with a first e-mail address to a second system associated with a second e-mail address. Tello teaches receiving an e-mail message at a host machine (ISP mail server) associated with a first e-mail address (well-known-name value 505)(col. 4, ll. 43-48; col. 5, ll. 29-33), and redirecting the message to a second address associated with the recipient (well-known-name-value is converted into literal address for redirection)(col. 5, ll. 33-39). Tello further discloses that the user's well-known name address remains unchanged, even if the literal address associated with it changes (col. 5, ll. 56-67), permitting e-mail address portability (col. 5, ll. 58-60). The combined teachings of AirMobile and Tello would have taught and/or suggested using the first address (the well-known name value) as the return address in any reply messages, since it would have maintained the portability of the address, permitting later

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communications in response to the reply message to reach the user via the SCP system, even if the user's literal address changed in the meantime.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to permit forwarding of messages to a second address associated with the user, and use the first address as the originating address of any subsequent reply messages, to maintain portability of the user's e-mail address and ensure that additional messages in the conversation are sent to the user's current location.

15. With regard to point (5), Hall discloses a similar system for transporting an electronic mail message across different network types (Abstract). Hall teaches encapsulating an electronic mail created for transmission via a first network in outer envelopes for transmission over a second type of network (col. 2, l. 45 to col. 3, l. 8). This would have been an advantageous addition to the system disclosed by AirMobile and Tello since it would have allowed the e-mail and reply messages to be created in the same format and simply tunneled over the wireless network using an outer envelope. This would have advantageously eliminating the need to convert messages between formats used by different networks.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to transmit the messages over the wireless network using an outer envelope to eliminate the need to convert message formats for communication over different network types.

16. With regard to claim 91, AirMobile disclosed the redirector component is operating on the messaging host system (pg 9 “communication server” and pg 31 ¶s 1-3).

17. With regard to claim 92, AirMobile disclosed the redirector component is operating on a host system that is couple to the message host system via the network (e.g. the Network file server cc:Mail Postoffice works in tandem with the Windows AirMobile server pg 9).

18. With regard to claim 93, Eggleston disclosed that messages sent between the wired and wireless systems can be compressed (col. 11, lines 63-67). Given this knowledge, it would have been obvious to a person having ordinary skill in the art to compress the messages in the system taught by AirMobile, Carthy and Eggleston, prior to transmission to the gateway, and to decompress the messages at the mobile device, as suggested by Eggleston, in order to increase available bandwidth and to provide faster and less expensive communications (see Eggleston, col. 12, lines 7-9).

19. With regard to claim 94, AirMobile disclosed the processing step further comprises encoding the copy of the user data item (e.g. transforming a message into the required transmission protocol for the wireless network being utilizing prior to

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pushing a message to the user) (additionally compressing as set forth with regard to claim 106 is a form of encoding).

20. With regard to claim 95, Examiner takes official notice that the Multipurpose Internet Mail Extensions protocol was widely known and used to communicate email messages between devices at the time of Applicant's invention. Thus, it would have been obvious to one of ordinary skill in the art at the time of Applicant's invention to encode messages using the MIME protocol within AirMobile's system in order to communicate messages between devices using a known reliable protocol.

21. With regard to claim 97, AirMobile disclosed the step of sending the copy of the user data item from the redirector component to the wireless mobile data device over the wireless network further comprises sending the copy of the user data item via a wireless gateway disposed between a wide area network and the wireless network (see pg 9, Figure 1-1, a gateway is required to interface between the networks).

22. With regard to claim 98, AirMobile disclosed the step of storing the user data item at the data store associated with the messaging host system (p. 9, "Communication Server," p. 10, "User Profile Database," pp. 15-16, wherein mail is received and stored at the communication server, and the mail account is associated with a mobile device according the device ID).

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23. Claims 99-102 and 105-108 are rejected under the same rationale as claims 90-95, 97 and 98, since they recite substantially identical subject matter. Any differences between the claims do not result in patentably distinct claims and all of the limitations are taught by the above cited art.

### ***Conclusion***

24. Any inquiry concerning this communication or earlier communications from the examiner should be directed to AARON STRANGE whose telephone number is (571)272-3959. The examiner can normally be reached on M-F 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Firmin Backer can be reached on 571-272-6703. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Aaron Strange/  
Examiner, Art Unit 2448